

**Fig. 1**

0909140 042850

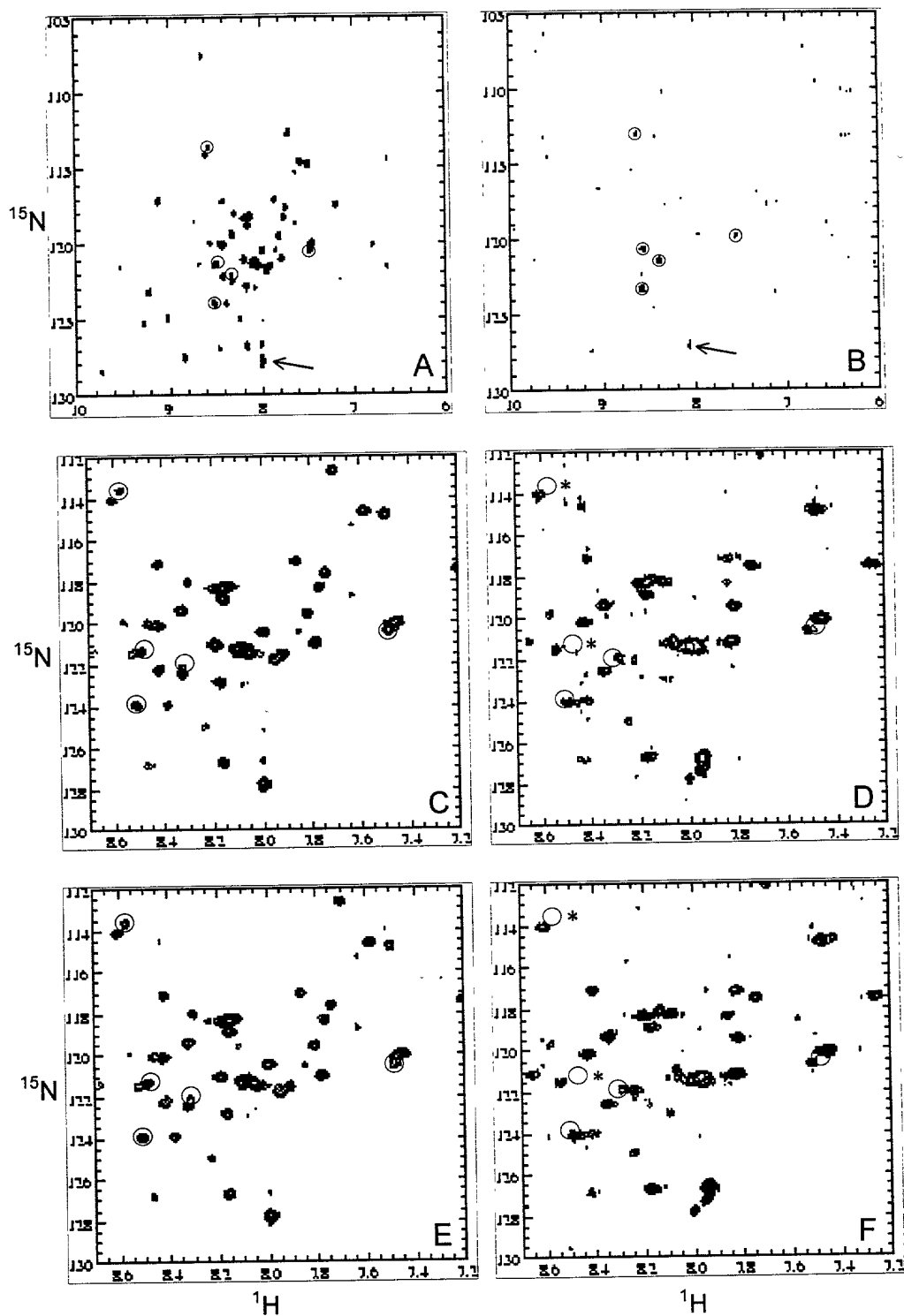
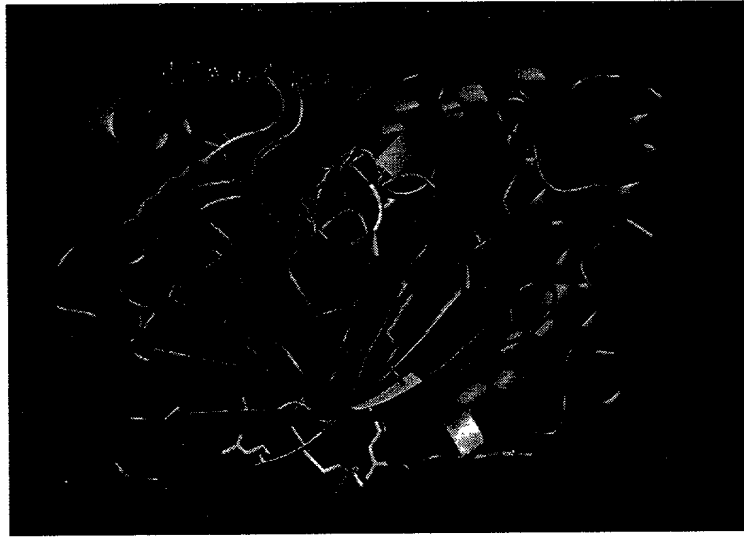
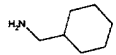
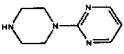
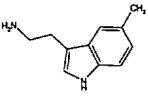
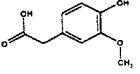
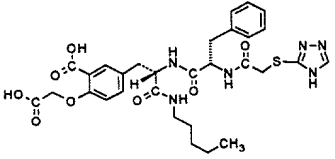


Fig. 2

0993240 101901  
106701 04233660



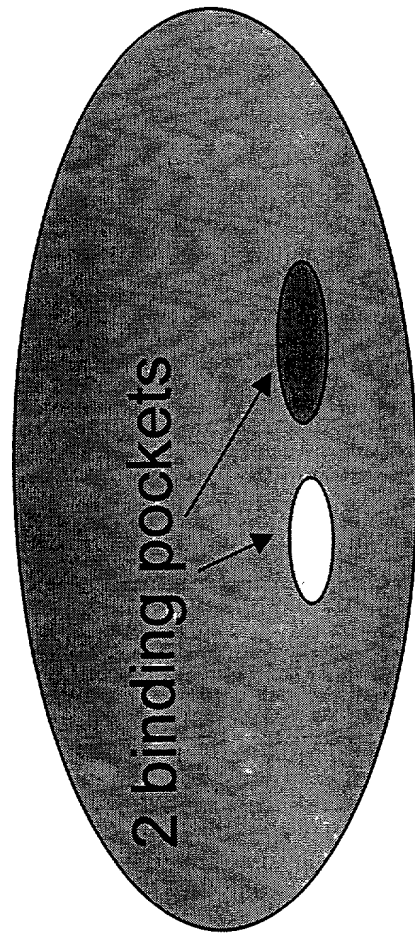
**Fig. 3**

Compound	Structure	% inhibition	NMR binder
control (no compound added)		0	-
N35		14	no
N136		28	no
N200		20	yes
N212		0	no
PNU179983		100	yes

**Fig. 4**



## Application I: screen for binding to single binding site



Unique aa pairs in second binding pocket  
 $\Rightarrow$  use to screen for binders to second pocket

target      ...AQSYIEKISQAMESAIEKRLTLAQIMEWIRRNIMG...

Two arrows point from the text "Unique aa pairs in second binding pocket" to the sequence "AQSYIEKISQAMESAIEKRLTLAQIMEWIRRNIMG...". The arrows point to the "TL" and "AQ" residues, which are circled in the original image.

Fig. 6

# Application II: screen for specificity in vicinity of active site

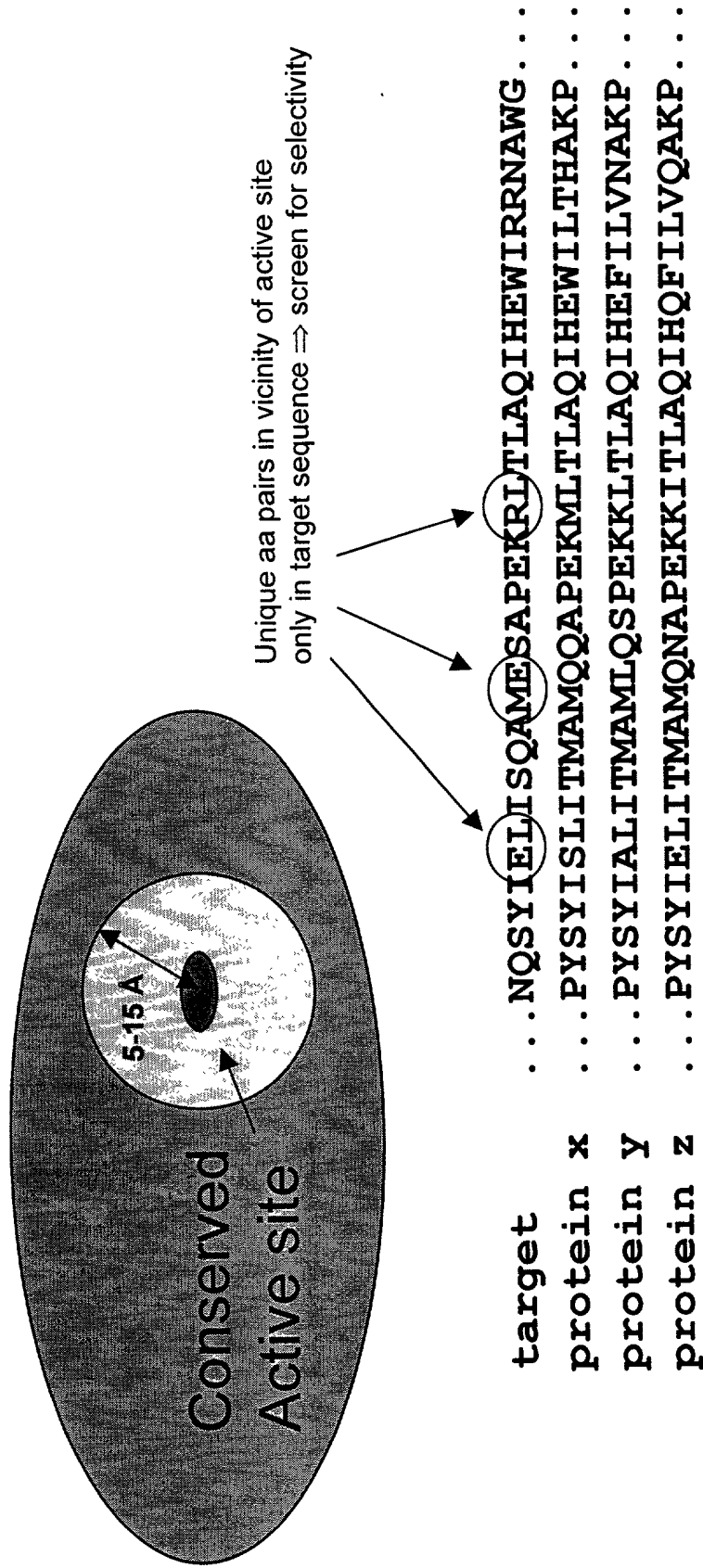


Fig. 7

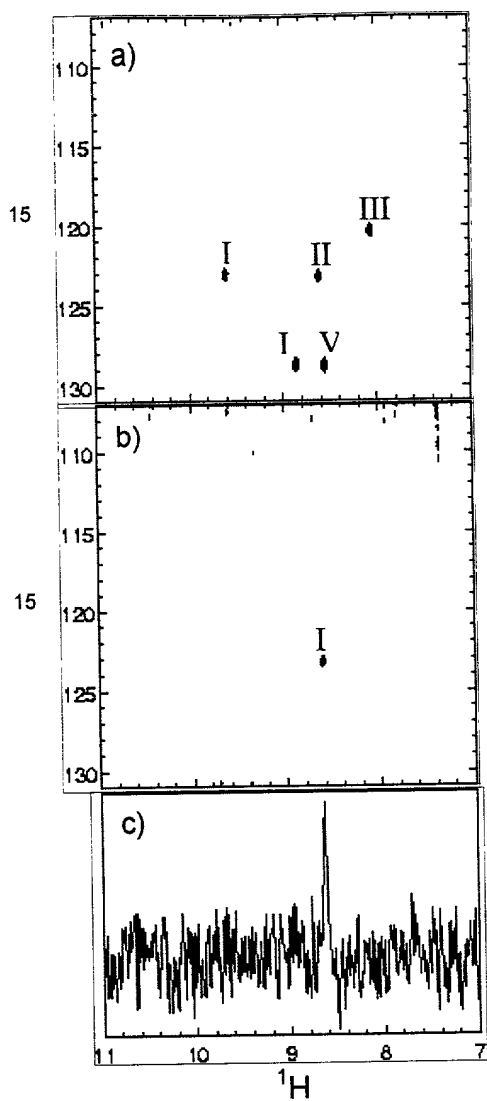
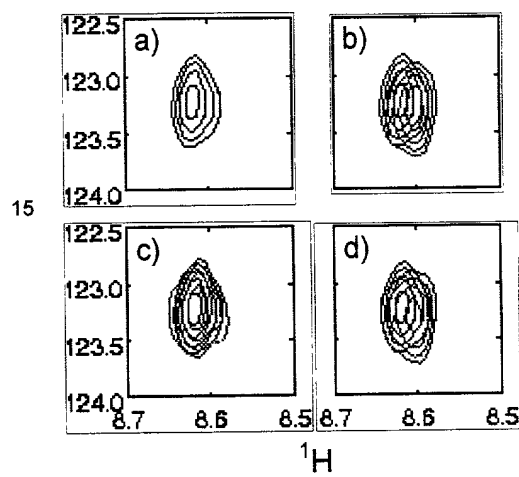


Fig. 8



**Fig. 9**